

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0008296, Burke County **OFFICE** Preconstruction  
CSBRG-0008-00(296)  
CR 452 over Rocky Creek- **DATE** September 25, 2007  
Bridge Replacement

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO**  SEE DISTRIBUTION

**SUBJECT APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

Attachment

**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Tony Collins  
Paul Liles  
George Brewer  
BOARD MEMBER

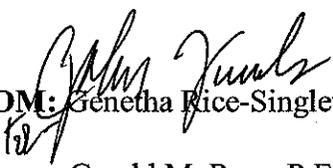
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** P.I. No. 0008296, Burke County  
CSBRG-0008-00(296)  
CR 452 over Rocky Creek-  
Bridge Replacement

**OFFICE:** Preconstruction

**DATE:** September 19, 2007

  
**FROM:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO:** Gerald M. Ross, P.E., Chief Engineer

**SUBJECT: PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on CR 452 over Rocky Creek, 9.5 miles south of Waynesboro, Georgia. The existing bridge, constructed in 1957, is a 189' x 24' concrete structure with a sufficiency rating of 29. County Road 452 at this location is a rural two lane roadway with 10' lanes with variable width' grass shoulders with a posted speed of 55 MPH. County Road 452 is classified as a local road. The base year traffic (2015) along this section of CR 452 is 550 VPD. The design year (2035) volumes are projected to be 750 VPD. The proposed speed design is 55 MPH.

The project proposes to construct a new 189' x 30' concrete bridge over Rocky Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders. The existing bridge will be closed to traffic during construction. Traffic will be detoured via an off-site detour.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 1,311,000	\$ 1,311,000	L110	LR
Right-of-way & Utilities	Local	Local	Local	

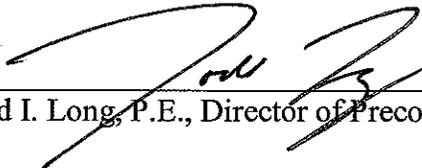
\* Burke County signed PFA for right-of-way and utilities on 4-19-07

P.I. No. 0008296, Burke County  
September 19, 2007

I recommend this project concept be approved.

  
GRS: JDQ

Attachment

CONCUR   
\_\_\_\_\_  
Todd I. Long, P.E., Director of Reconstruction

APPROVED   
\_\_\_\_\_  
Gerald M. Ross, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** CSBRG-0008-00(296) Burke County      **OFFICE:** Engineering Services  
P.I. No. 0008296  
Bridge Replacement CR 452 over Rocky Creek

**DATE:** August 15, 2007

**FROM:**  Brian K. Summers, P.E., Project Review Engineer

**TO:** Genetha Rice-Singleton Assistant Director of Preconstruction

**SUBJECT: CONCEPT REPORT**

We have reviewed the Concept Report received August 15, 2007 from Alan Smith, and have no comments.

The costs for this project are:

Construction	\$	1,191,960	
E & C	\$	119,196	<i>del</i>
Reimbursable Utilities	\$	0	
Right of Way	\$	104,900	<i>Local del</i>

BKS

c: Michael Thomas, Attn.: Alan Smith

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> CSBRG-0008-00(296)		<b>County:</b> Burke		<b>PI No.:</b> 0008296	
<b>Report Date:</b> May 21, 2007			<b>Concept By:</b> DOT Office: District 2		
<input checked="" type="checkbox"/> Concept Stage					
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
<b>Presentation</b>	100				
<b>Judgement</b>	100				
<b>Environmental</b>	100				
<b>Right of Way</b>	100				
<b>Utility</b>	100				
<b>Constructability</b>	100				
<b>Schedule</b>	100				

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
PROJECT CONCEPT REPORT**

*District Two Design Office*

Project Number: *CSBRG-0008-00 (296)*

County: *Burke*

P. I. Number: *0008296*

Federal Route Number: *None*

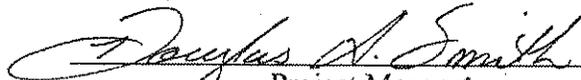
State Route Number: *None*

County Road Number: *452*

Recommendation for approval:

DATE *5-21-07*

DATE *5-21-07*

  
Project Manager

  
District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Programming Engineer

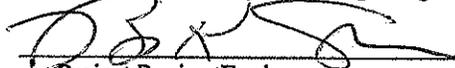
DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE *8/15/07*

  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
PROJECT CONCEPT REPORT**

*District Two Design Office*

Project Number: *CSBRG-0008-00 (296)*

County: *Burke*

P. I. Number: *0008296*

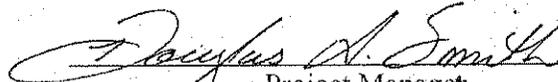
Federal Route Number: *None*

State Route Number: *None*

County Road Number: *452*

Recommendation for approval:

DATE *5-21-07*

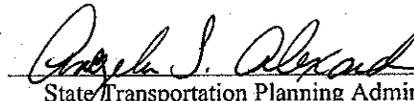
  
Project Manager

DATE *5-21-07*

  
District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE *8/23/2007*

  
State Transportation Planning Administrator

DATE \_\_\_\_\_

State Transportation Programming Engineer

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Bridge & Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
PROJECT CONCEPT REPORT**

*District Two Design Office*

Project Number: *CSBRG-0008-00 (296)*

County: *Burke*

P. I. Number: *0008296*

Federal Route Number: *None*

State Route Number: *None*

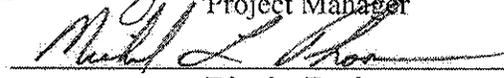
County Road Number: *452*

Recommendation for approval:

DATE *5-21-07*

  
Project Manager

DATE *5-21-07*

  
District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

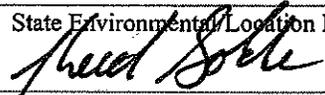
DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Programming Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE *8-17-07*

  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge & Structural Design Engineer

Bridge Inventory Data Listing  
Georgia Department of Transportation.

Structure ID: 033-0042-0

Burke

SUFF. RATING: 29.63

Location & Geography		Signs & Attachments			
* Structure ID:	033-0042-0	* 104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	* 26 Functional Classification:	07	242 Deck Drains:	1
* 6A Feature Int:	ROCKY CREEK	* 204 Federal Route Type:	S No. 01320	243 Parapet Location:	0.00
* 6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
* 7A Route Number Carried:	CR00452	* 110 Truck Route:	0	Width:	0.00
* 7B Facility Carried:	HERNDAN ROAD	206 School Bus Route:	1	238 Curb Height:	1.2
* 9 Location:	9.5 MI S OF WAYNESBORO	217 Benchmark Elevation:	0000.00	Curb Material:	1
2 DOT District:	2	218 Datum:	0	239 Handrail:	1 1
200 Year Photo:	2006	* 19 Bypass Length:	03	* 240 Median Barrier Rail:	0
* 91 Inspection Frequency:	24 Date: 7/12/2006	* 20 Toll:	3	241 Bridge Median Height:	0.0
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	* 21 Maintenance:	02	* Bridge Median Width:	0.0
92B Underwater Insp Freq:	60 Date: 1/31/2005	* 22 Owner:	02	230 Guardrail Loc. Dir. Rear:	0
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	* 31 Design Load:	2	Fwr:	0
* 4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
* 5 Inventory Route (O/U):	1	205 Congressional District:	12	Oppo. Fwr:	0
Type:	4	27 Year Constructed:	1957	244 Approach Slab:	0
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	01320	33 Bridge Median:	0	233 Posted Speed Limit:	55
Direction:	0	34 Skew:	00	236 Warning Sign:	0
* 16 Latitude:	32 - 57.3690 HMMS Prefix:	35 Structure Flared:	0	234 Delineator:	1
* 17 Longitude:	82 - 03.6740 HMMS Suffix: MP:0.00	38 Navigation Control:	0	235 Hazzard Boards:	1
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0	237 Utilities - Gas:	00
99 ID Number:	0000000000000000	267 Type of Paint:	1	Water:	00
* 100 STRAHNET:	0	* 42 Type of Service on:	1	Electric:	00
12 Base Highway Network:	1	Type of Service under:	5	Telephone:	00
13A LRS Inventory Route:	332045200	214 Movable Bridge:	0	Sewer:	00
13B Sub Inventory Route:	0	203 Type Bridge:	E N M O	247 Lighting - Street:	0
101 Parallel Structure:	N	259 Pile Encasement:	1	Navigation:	0
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	4 02	Aerial:	0
* 264 Road Inventory Mile Post:	003.08	45 No. Spans Main:	007	* 248 County Continuity No.:	00
* 208 Inspection Area:	10 Initials: JWM	44 Structure Type Appr:	0 00		
Engineer's Initial:	sgm	46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	1 Vert: 0		
		111 Pier Protection:	0		
		107 Deck Structure Type:	1		
* Location I.D. No.:	033-01320F-003.24N	108 Wearing Surface Type:	1		
		Membrane Type:	8		
		Deck Protection:	8		







**NOTICE OF LOCATION AND DESIGN APPROVAL**

**CSBRG-0008-00 (296) Burke County  
P.I. # 0008296**

Notice is hereby given in compliance with Georgia Code 22-22-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location and design approval was SEPTEMBER 25, 2007  
Date of Approval

This project consists of the replacement of the structurally deficient bridge on CR 452 / Herndan Road at Rocky Creek. The proposed typical section will consist of 1 – 12-ft. travel lane in each direction with 10-ft. grassed shoulders each side. CR 452 will be closed during construction.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation.

Lyn Bean – Area Engineer - Louisville  
[Lyn.Bean@dot.state.ga.us](mailto:Lyn.Bean@dot.state.ga.us)  
2971 Us Hwy North  
Louisville, Georgia 30434

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

GEORGE M. BREWER  
PRECONSTRUCTION ENGINEER  
P.O. BOX 8  
TENNILLE, GEORGIA 31089  
478-552-4629

Any written request or communication in reference to this project SHOULD include the Project and PI numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
PROJECT CONCEPT REPORT**

*District Two Design Office*

Project Number: *CSBRG-0008-00 (296)*

County: *Burke*

P. I. Number: *0008296*

Federal Route Number: *None*

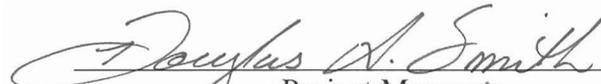
State Route Number: *None*

County Road Number: *452*

Recommendation for approval:

DATE 5-21-07

DATE 5-21-07

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP).

DATE _____	_____
	State Transportation Planning Administrator
DATE _____	_____
	State Transportation Programming Engineer
DATE _____	_____
	State Environmental/Location Engineer
DATE _____	_____
	State Traffic Safety and Design Engineer
DATE _____	_____
	Project Review Engineer
DATE _____	_____
	State Bridge & Structural Design Engineer



**Need and Purpose:** *This project is located on CR 452 / Herndon Rd southwest of the City of Waynesboro at Rocky Creek. The Department of Transportation uses the sufficiency rating to determine if and when a bridge should be replaced. This number reflects the function ability and the structural integrity of the bridge. Once this number falls below 50.00 the bridge is evaluated for replacement. This bridge has a sufficiency rating of 29.63 as of 3-12-07 and is currently load limited which indicates it is structurally deficient and is being considered for replacement. The Functional Classification of CR 452 is a Local Road. It is comprised of 1-10-ft travel lane in each direction with 5-6-ft. grassed shoulders each side. The bridge is located within a horizontal curve that appears to have a radius of approximately 1910-ft. The vertical grades vary from 1% to 2%. This route is traveled by local commuters to and from work, school and other daily functions and also serves as a connector link between SR 17 in Jenkins County to SR 121 / US 25 in Burke County. The logical termini for this project are solely based on the need to replace the bridge. This project does not propose to improve the capacity of the route and will only improve the function ability of the bridge and approaches. Therefore, the logical termini should only be the length of roadway needed in order to improve these items.*

**Description of the proposed project:** *Alternate "A" - This project consists of closing CR 452 and replacing the structurally deficient bridge on CR 452 / Herndon Road at Rocky Creek.*

**Is the project located in a Non-attainment area?**  Yes  No

**PDP Classification:**  Minor  Major

**Federal Oversight:** Full Oversight , Exempt , State Funded , or Other

**Functional Classification:** *Local Road*

**U. S. Route Number(s):** *None*  
**County Road Number(s):** *452*

**State Route Number(s):** *None*

**Traffic (AADT):**

Current Year: 550 (2015)

Design Year: 750 (2035)

**Existing design features:**

- Typical Section: 2 - 10-ft. asphalt travel lanes with 5 - 6-ft. grassed shoulders
- Posted speed: 55 MPH Minimum Radius: 1910-ft Radius
- Maximum grade: 2%
- Width of right of way: 80-120-ft.
- Major structures: Existing 189-ft x 24-ft Reinf. Conc. Bridge  
Sufficiency Rating: 29.63
- Major interchanges or intersections along the project: None
- Existing length of roadway: 0.40 miles

**Proposed Design Features:**

- Proposed typical section(s): *2 - 12-ft. asphalt travel lanes with 10-ft. grassed shoulders*
- Proposed Design Speed Mainline: *55 MPH*
- Proposed Maximum grade Mainline: *4%*
- Maximum grade allowable Mainline: *7%*
- Proposed Maximum grade Side Street: *NA*
- Maximum grade allowable on Side Streets: *NA*
- Proposed Maximum grade driveway: *11%*
- Proposed Minimum Radii of curve: *1432-ft. Radius*
- Minimum Radii allowable: *1060-ft. Radius*
- Right of way
  - Width: *An additional 10-ft. to 20-ft. strip of Right of Way will be required either side of the roadway.*
  - Easements: Temporary , Permanent , Utility , Other .
  - Type of access control: Full , Partial , By Permit , Other .
  - Number of parcels: *4*                      Number of displacements: *0*
    - Business: *NA*
    - Residences: *NA*
    - Mobile homes: *NA*
    - Other: *NA*
- Structures:
  - Bridges: *Proposed 189-ft. x 30-ft. Reinforced Concrete Bridge*
  - Retaining walls: *NA*
- Major intersections and interchanges: *NA*
- Traffic control during construction: *CR 452 will be closed during construction*
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: *None Anticipated.*
- Environmental concerns: *The Bridge over Rocky Creek was built in 1957 which makes it older than 50-yrs. An off-site detour PIOH will be required to notify the public of the upcoming road closure. There will also be some wetland impacts in the area of the bridge. Also, one of the properties affects will be the Di-Lane Wildlife Management Area located on the southwestern side of the project.*

- Anticipated Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes , No ,
  - Categorical exclusion ,
  - Environmental Assessment/Finding of No Significant Impact (FONSI) , or
  - Environmental Impact Statement (EIS) .
- Utility involvements:
  - Telephone - *BellSouth Telecommunications, Inc.*
  - Power – *Planters EMC*
  - Water – *None*
  - Sewer – *None*
  - Gas – *None*
  - Cable TV – *None*

**Project responsibilities:**

- Design: *GDOT District Two*
- Right of Way Acquisition: *Burke County*
- Relocation of Utilities: *Coordination GDOT - District Two*
- Letting to contract: *GDOT - Contracts Administration*
- Supervision of construction: *GDOT - Louisville AE Office*
- Providing material pits: *In Contract*
- Providing detours: *The local government will also be required to provide notification of the road closure and any detour signage they wish to install.*

**Coordination**

- Concept meeting date: *April 27, 2007*
- P. A. R. meetings: *NA*
- FEMA, USCG, and/or TVA: *NA*
- Public involvement: *An Off-Site detour meeting will be required to advise the public of the road closure.*
- Local government commitments: *The local government will be asked to relocate any utility facilities that they own.*
- Other projects in the area: *None*

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: *1 Year*
- Time to complete preliminary construction plans: *1 Year*
- Time to complete right of way plans: *3 months*
- Time to complete the Section 404 Permit: *1 Year*
- Time to complete final construction plans: *1 Year*
- Time to complete to purchase right of way: *1 Year*

**Other alternates considered:**

1. *Alternate "B" - On-Site Detour - This alternate was found to be economically unfeasible due to the expense of the addition and removal of embankment, asphalt and the temporary drainage structure (Additional Cost approximately \$200,000.00). Also, the introduction of an on-site detour would increase temporary impacts to surrounding wetlands.*
2. *Alternate "C" - Realignment of CR 452 - This alternate was also found to be economically unfeasible since the horizontal and vertical alignments meet Green Book criteria for this type of roadway. The cost of the additional embankments and asphalt exceeded the cost - benefit ratio of performing minor vertical reconstruction of the existing roadbed. (Additional Cost approximately \$150,000.00). Also, this alternate would have much greater permanent impacts to surrounding wetlands.*

**Comments:** *District 2 recommends that Alternate "A" of this concept report be approved as written.*

**Attachments:**

1. Traffic Data
2. Cost Estimates:
  - a. Construction including E&C
  - b. Utilities
  - c. Right of Way
3. Typical section
4. Pavement Design
5. Location and Design Notice

## Department of Transportation State of Georgia

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### INTERDEPARTMENT CORRESPONDENCE

**FILE**      PEBRG-0008-00(296), Burke County      **OFFICE** Environment/Location  
                 P.I. # 0008296  
  
**DATE**      January 25, 2007

**FROM**      Harvey D. Keepler, State Environmental/Location Engineer

**TO**          Michael L. Thomas, P.E., District Engineer  
                 **Attn.** Alan Smith

**SUBJECT**    Traffic Assignments for CR 452/Herndon Road @ Rocky Creek.

We are furnishing estimated traffic assignments for the above project is attached:

**MP: 0.00 – 3.98**

**TC # 0235**

2006 AADT = 350

2015 AADT = 400

2035 AADT = 600

K = 11%

D = 55%

T = 6%

24 HOUR T = 8.5%

S.U. = 5.5%

COMB. = 3%

**MP: 3.99 – 9.31**

**TC # 0237**

2006 AADT = 450

2015 AADT = 550

2035 AADT = 750

K = 11%

D = 55%

T = 6%

24 HOUR T = 8.5%

S.U. = 5.5%

COMB. = 3%

If you have any questions concerning this information please contact  
Shelley Nweke at (404) 699-4458.

## CSBRG-0008-00 (296) Burke County

P.I. # 0008296

### Section 1. ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	25000.00	TRAFFIC CONTROL - CSBRG-0008-00 (296)	25000.00
201-1500	1	LS	25000.00	CLEARING & GRUBBING -	25000.00
205-0001	4000	CY	5.26	UNCLASS EXCAV	21040.00
206-0002	31556	CY	6.23	BORROW EXCAV, INCL MATL	196593.88
310-1101	1536	TN	17.72	GR AGGR BASE CRS, INCL MATL	27217.92
318-3000	100	TN	18.92	AGGR SURF CRS	1892.00
402-1811	63	TN	72.20	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	4548.60
402-3140	465	TN	70.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	32550.00
402-3192	100	TN	70.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	7000.00
413-1000	112	GL	2.07	BITUM TACK COAT	231.84
433-1200	230	SY	180.97	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	41623.10
441-0301	2	EA	1884.62	CONC SPILLWAY, TP 1	3769.24
500-3101	1	CY	594.75	CLASS A CONCRETE	594.75
550-2180	88	LF	36.65	SIDE DRAIN PIPE, 18 IN, H 1-10	3225.20
550-3618	4	EA	698.61	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	2794.44
576-1018	40	LF	32.37	SLOPE DRAIN PIPE, 18 IN	1294.80
634-1200	20	EA	104.65	RIGHT OF WAY MARKERS	2093.00
641-1100	84	LF	53.72	GUARDRAIL, TP T	4512.48
641-1200	684	LF	18.49	GUARDRAIL, TP W	12647.16
641-5001	2	EA	648.84	GUARDRAIL ANCHORAGE, TP 1	1297.68
641-5012	2	EA	1829.52	GUARDRAIL ANCHORAGE, TP 12	3659.04
643-8200	375	LF	3.67	BARRIER FENCE (ORANGE), 4 FT	1376.25
<b>Section Sub Total:</b>					<b>\$419,961.38</b>

### Section 2. EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	1100	SY	42.87	STN DUMPED RIP RAP, TP 3, 18 IN	47157.00
603-7000	1100	SY	4.98	PLASTIC FILTER FABRIC	5478.00
700-6910	5	AC	971.51	PERMANENT GRASSING	4857.55
700-7000	5	TN	60.28	AGRICULTURAL LIME	301.40
700-7010	12	GL	19.81	LIQUID LIME	237.72
700-8000	5	TN	348.95	FERTILIZER MIXED GRADE	1744.75
700-8100	229	LB	2.15	FERTILIZER NITROGEN CONTENT	492.35
710-9000	1225	SY	3.60	PERMANENT SOIL REINFORCING MAT	4410.00
716-2000	4100	SY	1.23	EROSION CONTROL MATS, SLOPES	5043.00
<b>Section Sub Total:</b>					<b>\$69,721.77</b>

### Section 3. TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	564.57	TEMPORARY GRASSING	1693.71
163-0240	69	TN	178.21	MULCH	12296.49
163-0300	2	EA	2571.07	CONSTRUCTION EXIT	5142.14
163-0520	470	LF	16.93	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	7957.10
163-0523	29	EA	250.00	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE C SILT FENCE	7250.00
163-0530	500	LF	3.71	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	1855.00
165-0030	1350	LF	1.74	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2349.00

165-0040	29	EA	82.07	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	2380.03
165-0050	280	LF	4.29	MAINTENANCE OF SILT RETENTION BARRIER	1201.20
165-0070	250	LF	2.16	MAINTENANCE OF BALED STRAW EROSION CHECK	540.00
165-0101	2	EA	677.10	MAINTENANCE OF CONSTRUCTION EXIT	1354.20
167-1000	2	EA	1363.64	WATER QUALITY MONITORING AND SAMPLING	2727.28
167-1500	9	MO	1047.62	WATER QUALITY INSPECTIONS	9428.58
170-2000	560	LF	13.08	STAKED SILT RETENTION BARRIER	7324.80
171-0030	2700	LF	4.06	TEMPORARY SILT FENCE, TYPE C	10962.00
<b>Section Sub Total:</b>					<b>\$74,461.53</b>

**Section 4. BRIDGE**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-0001	1	Lump Sum	510300.00	CONSTR OF BRIDGE COMPLETE (189FT-30FT-90.00)	510300.00
540-1101	1	LS	113400.00	REMOVAL OF EXISTING BRIDGE	113400.00
<b>Section Sub Total:</b>					<b>\$623,700.00</b>

**Section SIGNING & MARKING**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	8	SF	14.94	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	119.52
636-1033	13	SF	19.27	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	250.51
636-2070	56	LF	8.29	GALV STEEL POSTS, TP 7	464.24
652-5451	2896	LF	0.21	SOLID TRAFFIC STRIPE, 5 IN, WHITE	608.16
652-5452	2896	LF	0.19	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	550.24
657-1054	234	LF	4.66	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1090.44
657-6054	234	LF	4.41	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1031.94
<b>Section Sub Total:</b>					<b>\$4,115.05</b>

**Total Estimated Cost: \$1,191,959.73**

**Subtotal Construction Cost \$1,191,959.73**

E&C Rate 10.0 % \$119,195.97

Inflation Rate 0.0 % @ 0.0 Years \$0.00

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**Total Construction Cost \$1,311,155.70**

Right Of Way \$104,900.00

ReImb. Utilities \$0.00

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**Grand Total Project Cost \$1,416,055.70**



## Preliminary Right of Way Cost Estimate

**Date:** April 30, 2007  
**Project:** CSBRG-0008-00(296)Burke  
**Existing/Required R/W:** Varies/Varies  
**Project Termini:** Bridge Replacement  
**Project Description:**

**Phil Copeland**  
 Right of Way Administrator  
 By: Jerry Milligan

**P.I. Number:** 0008296  
**No. Parcels:** 1

<b>Land:</b> R/W Agricultural : 72,000 sf @ \$.35 / sf		\$	25,200
<b>Improvements :</b> misc. site improvements			5,000
<b>Relocation:</b> Residential ( 0 ) Commercial ( 0 )			0
<b>Damage :</b> Cost to Cure ( 0 ) parcel Proximity ( 0 ) parcel			0
			0
Net Cost		\$	30,200
Net Cost		\$	30,200
Scheduling Contingency	55 %		16,610
Adm/Court Cost	60 %		28,086
Market Appreciation	40 %		29,958
		\$	104,754
<b>Total Cost</b>			<b>\$ 104,900</b>

